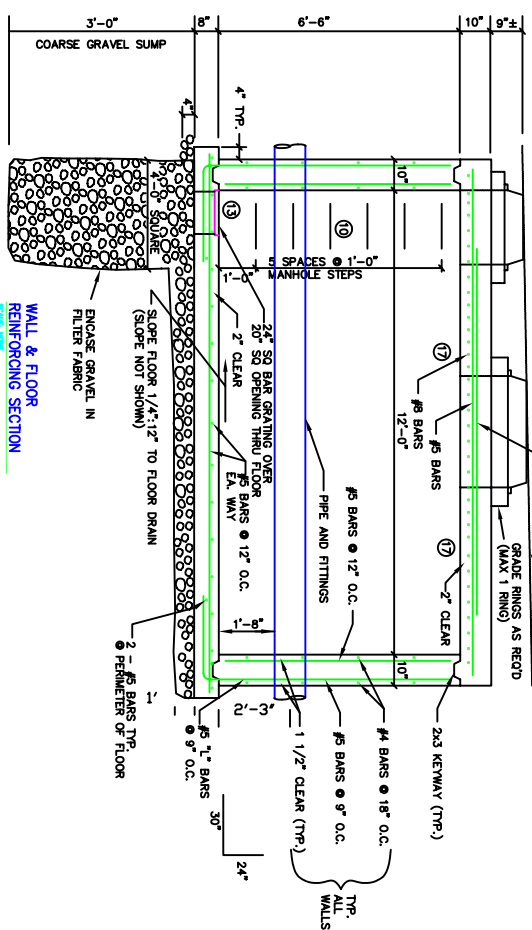


**ROOF REINFORCING DETAIL**

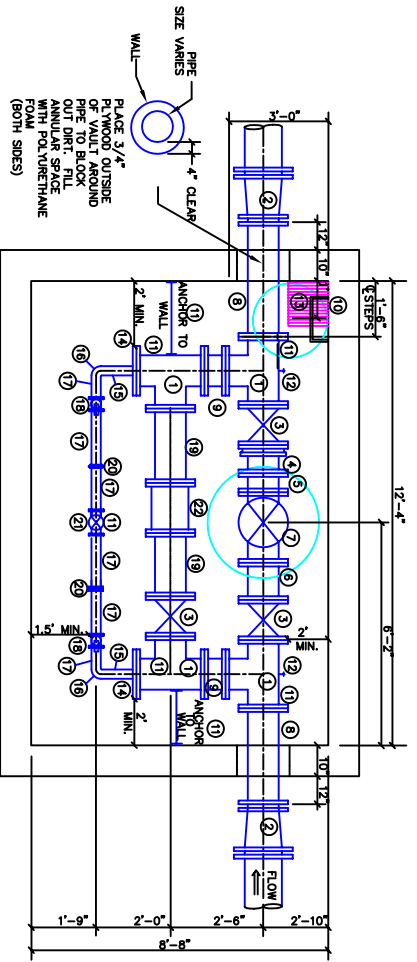
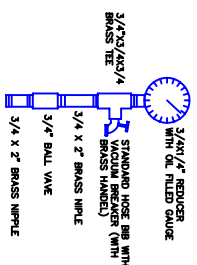


**SIZE CHART**

WATER MAINLINE SIZE	REDUCED P.R.V. SIZE
6"	4"
8"	6"
10"	8"
12"	10"
14"	12"
16"	12"

**GENERAL NOTE:**  
PIPE, FITTINGS & VALVE DIMENSIONS SHOWN ARE FOR A 16" MAIN LINE (12" P.R.V.) INSTALLATION. THESE DIMENSIONS WILL VARY BASED ON ACTUAL MAIN LINE & P.R.V. SIZES.

**DETAIL OF ITEM #12**



- ITEM DESCRIPTION**
- ① TEE (FLUE)
  - ② REDUCER (M&M)
  - ③ GATE VALVE (FLUE)
  - ④ ADAPTER (FLUE) "TOSOP" OF EQUIVALENT
  - ⑤ SPOOL (FLUE) - 12" LONG
  - ⑥ SPOOL (FLUE) - 10" LONG
  - ⑦ 12" PRESSURE REDUCING, PRESSURE SUSTAINING VALVE (FLUE) C.A.-VAL COMPANY 20-200 PSI RANGE WITH POSITION INDICATOR, SPEC STAINLESS BOLT BOLTS (SIZE AS INDICATED ON SIZE CHART)
  - ⑧ SPOOL (FLUE)
  - ⑨ SPOOL (FLUE) - 12" LONG
  - ⑩ STEPS (6 @ 12") M.A. INDUSTRIES, INC. PSI-PF OR EQUI.
  - ⑪ JACK STAND FOR PIPE SIZE AS SHOWN
  - ⑫ 3/4" IP TYP. 3/4" x 2" BRASS NIPPLE 3/4" BALL VALVE 3/4" x 2" BRASS NIPPLE, STANDARD HOSE BIB WITH VACUUM BREAKER, (WITH BRASS HANDLE)
  - ⑬ FLOOR DRAIN (24"x24") OPENING
  - ⑭ REDUCING FLANGE (FLUE) 2"
  - ⑮ 2" BRASS NIPPLE (TH/TH) - 4" LONG
  - ⑯ 2" BRASS 90 EL. (TH/TH)
  - ⑰ 2" BRASS NIPPLE LONG (TH/TH)
  - ⑱ 2" BALL VALVE (TH/TH)
  - ⑲ FL. x PL. SPOOL
  - ⑳ 2" BRASS UNION (NO COMPRESSION COUPLINGS)
  - ㉑ 2" PRESSURE REDUCING / PRESSURE SUSTAINING VALVE (TH/TH) 20-200 PSI RANGE C.A.-VAL COMPANY / WITH POSITION INDICATOR, SPEC STAINLESS BOLT BOLTS
  - ㉒ 12" SOLID SLEEVE WITH MEGA LUGS (M&M)

**STANDARD DETAIL**  
**FIGURE\_12**  
**PRESSURE REDUCING STATION**

**PRESSURE REDUCING STATION**

NO.	1	RSS	UPDATE	4/17/02
AUTHORIZED BY		REVISIONS		DATE



**NOTE:**  
A. PRECAST BOX CERTIFIED TO BE DESIGNED FOR THE SPECIFICATIONS MAY BE SUBSTITUTED FOR THE BOX SHOWN UPON WRITTEN APPROVAL FROM THE ENGINEER.